

IN THE CLAIMS:

Please enter the following amendments and/or additions:

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1. (Currently Amended) An electroplating experiment management apparatus comprising:
- an input means for inputting electroplating experimental conditions;
- a predicted value calculation data storage means for storing in advance physical property value data and arithmetic expression data usable to work out predicted values of electroplating experimental results from said electroplating experimental conditions;
- a predicted value calculation means for working out the predicted values of the electroplating experimental results from said electroplating experimental conditions using the physical property value data and the arithmetic expression data read out from said predicted value calculation data storage means;
- an electroplating experimental data obtaining means for obtaining electroplating experimental data;
- an electroplating experimental data analysis means for working out electroplating experimental data at each point of time during an experiment based upon analysis of said electroplating experimental data obtained by said electroplating experimental data obtaining means;
- an electroplating experimental data recording means for recording said electroplating experimental data; and

an output means for outputting said electroplating experimental conditions, said predicted values, and said electroplating experimental data.

2. (Currently Amended) An electroplating experiment management program for managing an electroplating experiment, said program allowing a computer to operate as:

an input means for inputting electroplating experimental conditions;

a predicted value calculation data storage means for storing in advance physical property value data and arithmetic expression data usable to work out predicted values of electroplating experimental results from said electroplating experimental conditions;

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a predicted value calculation means for working out the predicted values of the electroplating experimental results from said electroplating experimental conditions using the physical property value data and the arithmetic expression data read out from said predicted value calculation data storage means;

an electroplating experimental data obtaining means for obtaining electroplating experimental data;

an electroplating experimental data analysis mean for working out electroplating experimental data at each point of time during an electroplating experiment based upon analysis of said electroplating experimental data obtained by said electroplating experimental data obtaining means;

an electroplating experimental data recording means for recording said electroplating experimental data; and

*AI*  
*case* an output means for outputting said electroplating experimental conditions, said  
predicted values, and said electroplating experimental data.

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